

A P P E N D I X I:

THE LISTING OF CLAIMS:

1. (canceled)
2. (canceled)
3. (canceled)
4. (canceled)
5. (currently amended) A process for producing a large polyethylene blow ~~moldings~~ molding having a volume of from 5 to 5,000 l and having a bursting strength determined by a drop height test at ~~180°C~~ -18°C of more than 3 m, by forming polyethylene ~~of~~ having a density $\rho \geq 0.94 \text{ g/cm}^3$, ~~of~~ a melt flow rate MFR 190/21.6 $< 50 \text{ g/10 min}$ and ~~of~~ a notched tensile impact strength $a_{2K} (-30^\circ\text{C})$ not less than 250 kJ/m^2 , at high temperatures to give a large blow molding having a volume of from 5 to 5,000 l, and allowing the ~~large~~ blow molding to cool to room temperature, and, in a further step, annealing the ~~large~~ blow molding at from 60 to 135°C until the notched tensile impact strength $a_{2K} (-30^\circ\text{C})$, measured in accordance with ISO 8256, is at least 300 kJ/m^2 , and then cooling the same again to room temperature.
6. (currently amended) A process as claimed in claim 5, wherein the polyethylene ~~used~~ has a weight-average molar mass M_w of from 200 to 800 kg/mol and a breadth of molar mass distribution M_w/M_n of from 5 to 80.
7. (currently amended) A process as claimed in claim 5, wherein the ~~large~~ blow molding is formed by extrusion molding.
8. (canceled)